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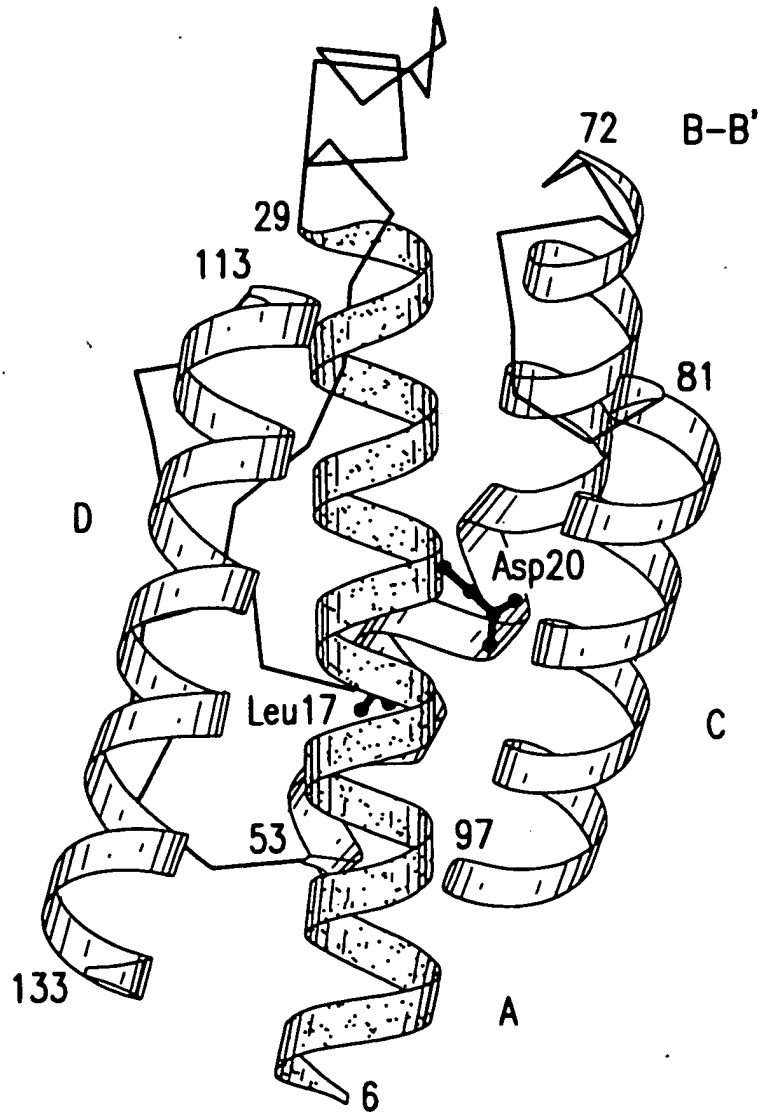


FIG. 1

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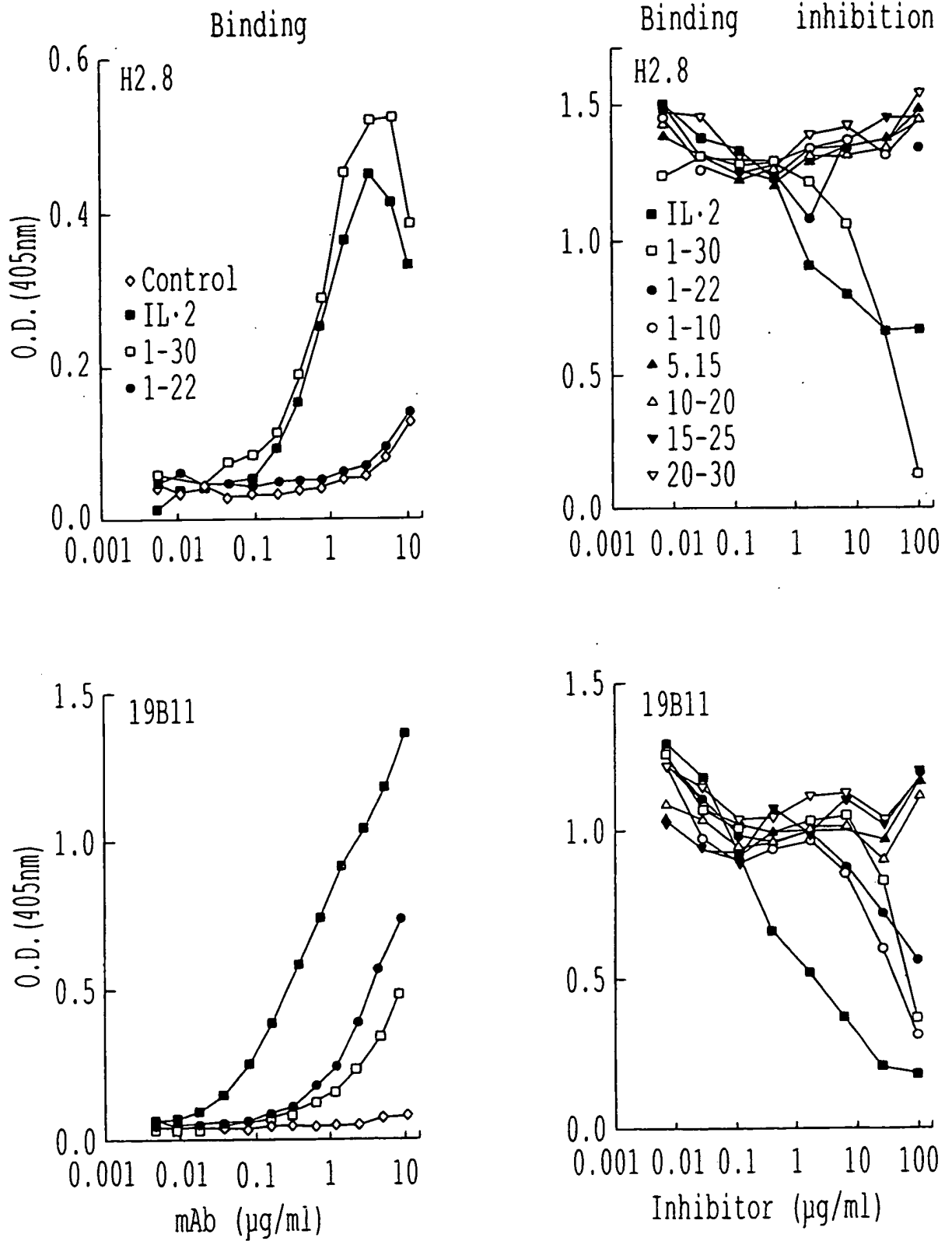


FIG. 2

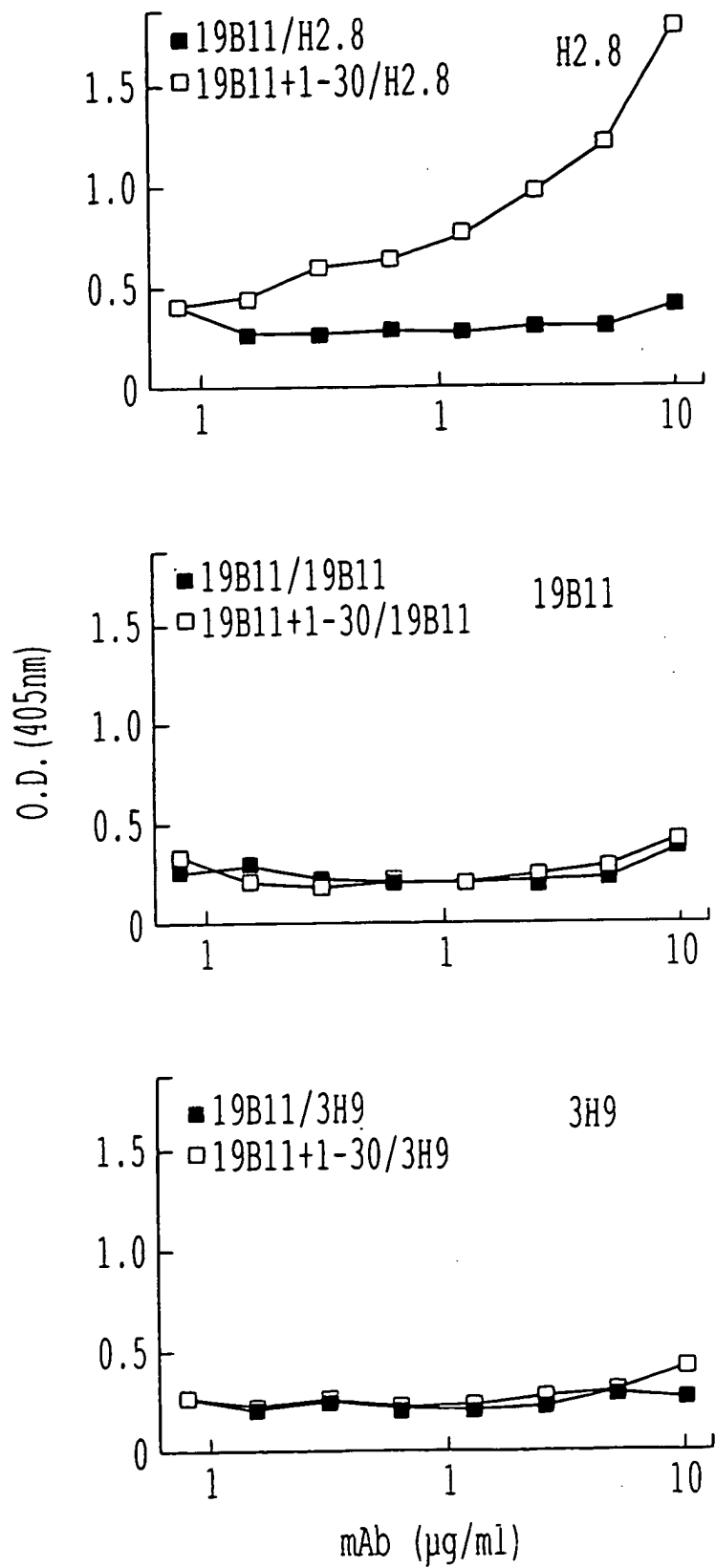


FIG. 3

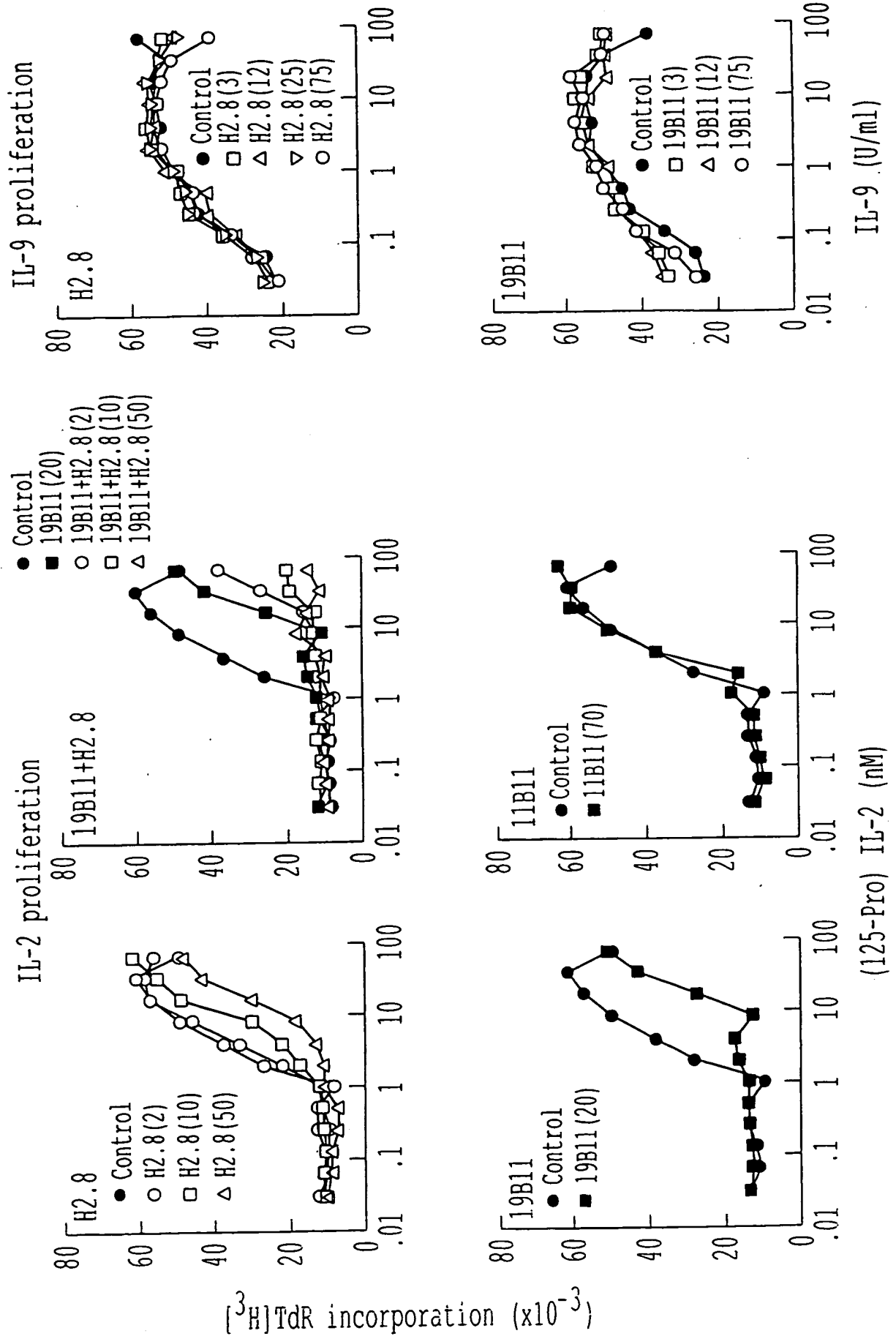


FIG. 4

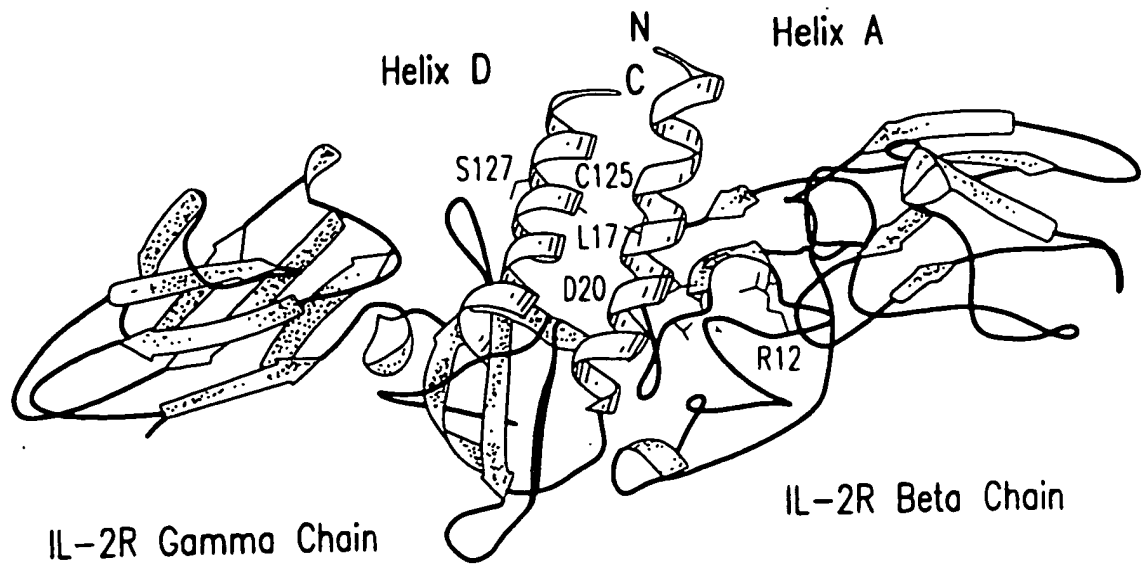
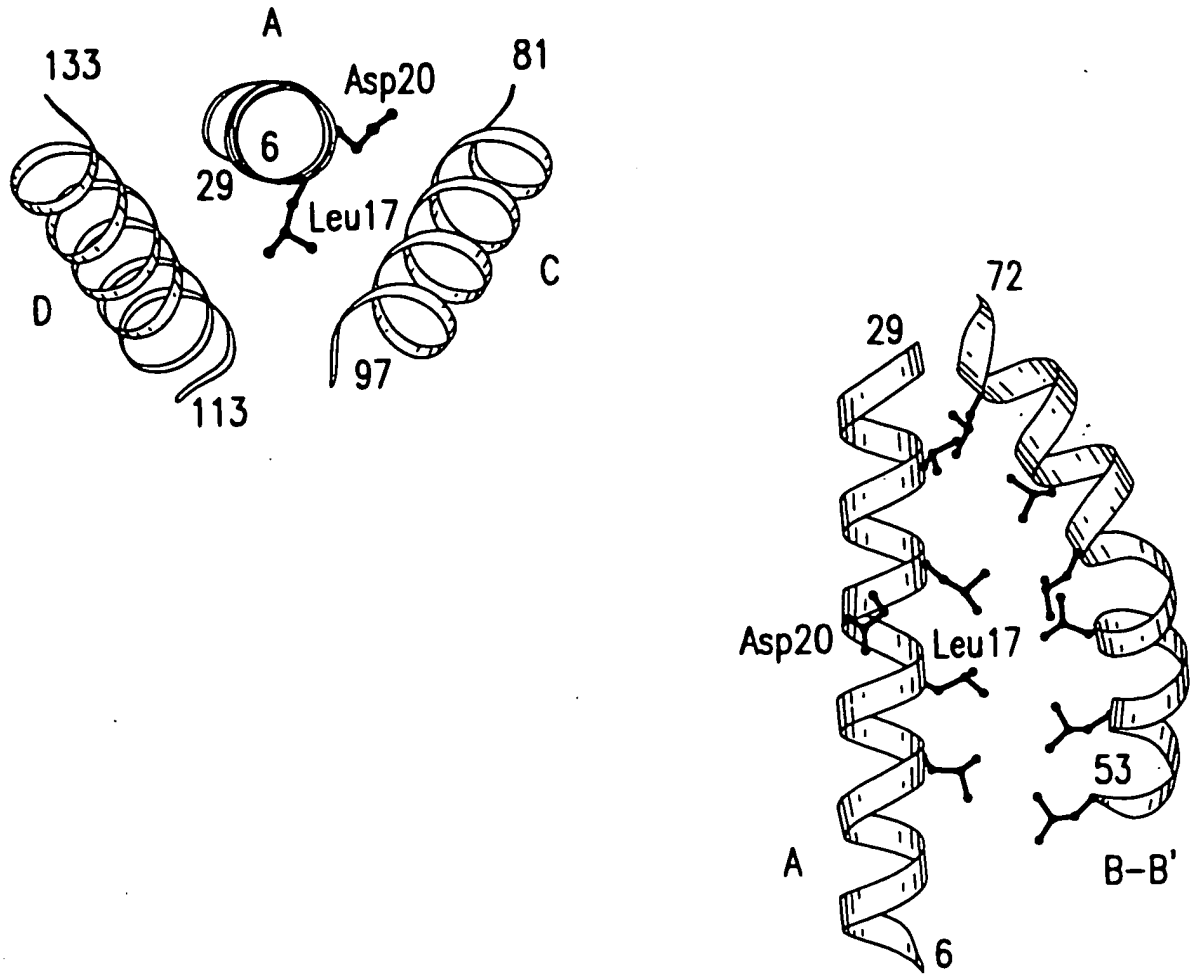
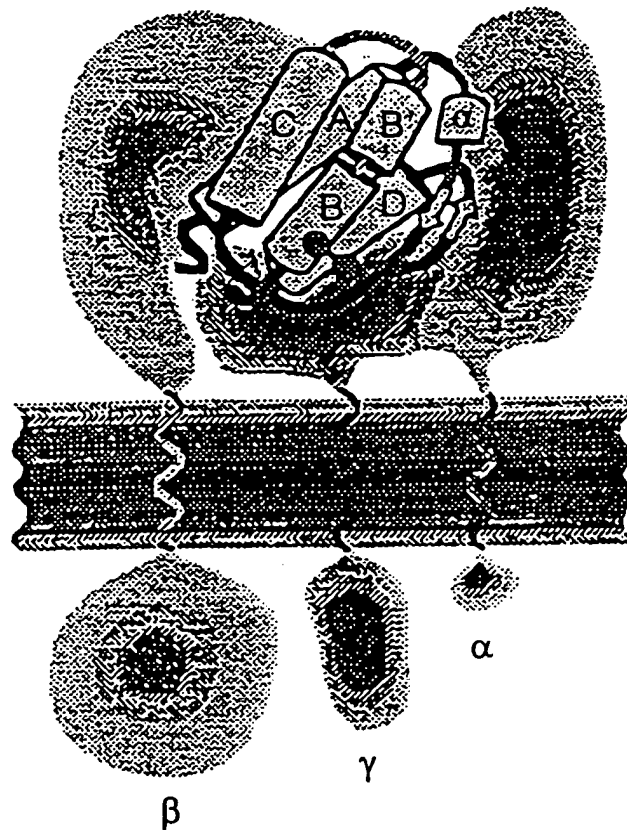


FIG.5

Interleukine-2 receptor



IL-2 AND IP130 SEQUENCE (α -HELICES ARE BOXED)

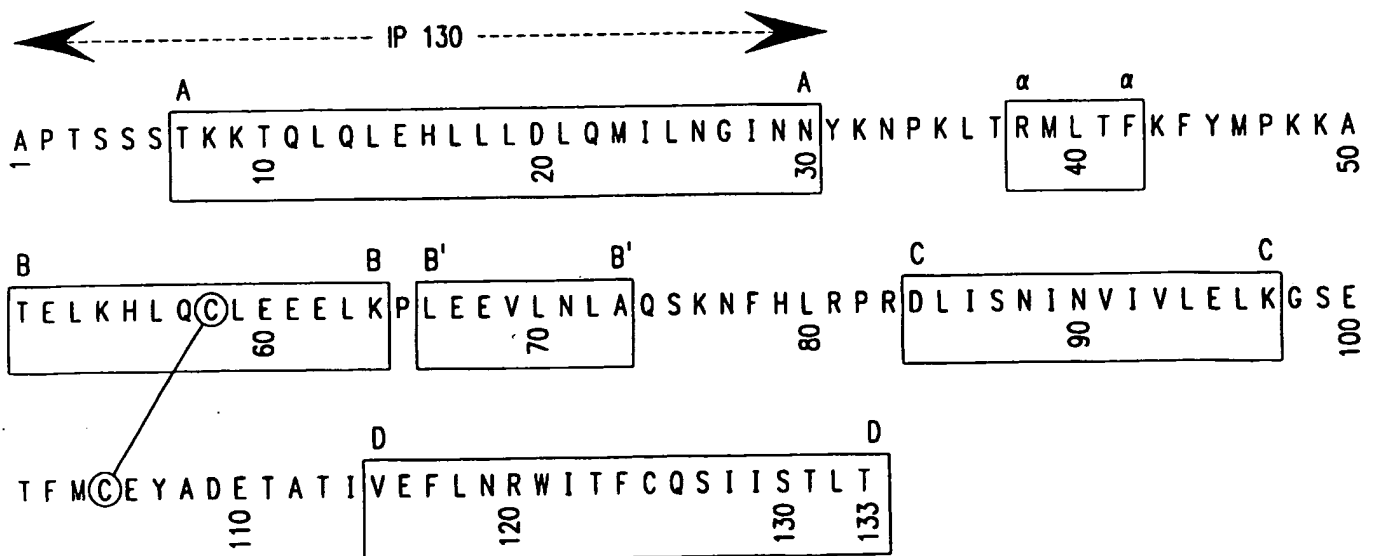


FIG.6

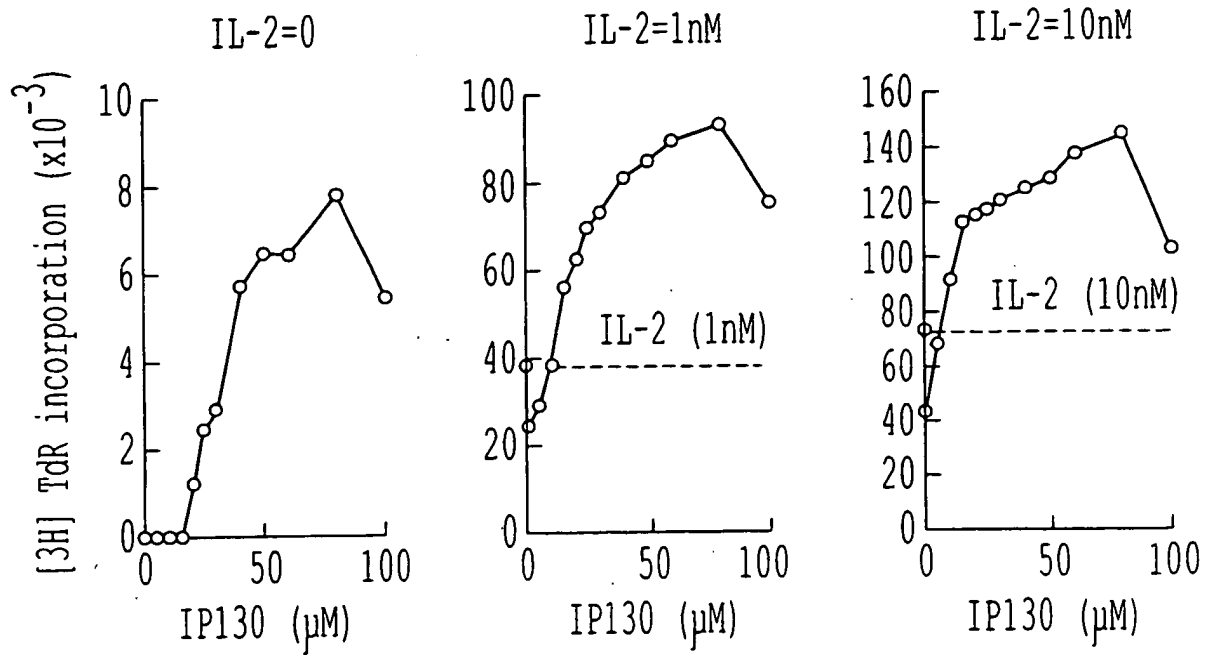


FIG. 7

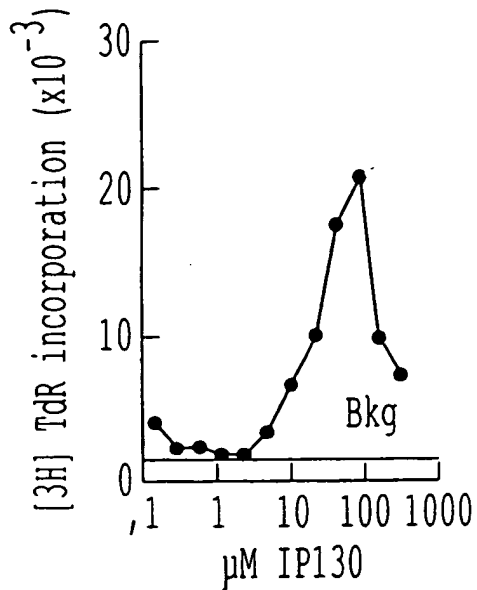


FIG. 8A

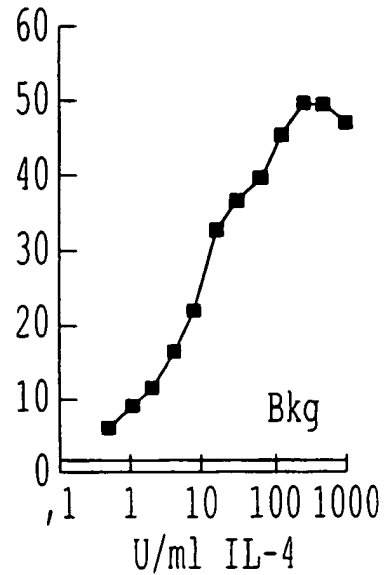


FIG. 8B

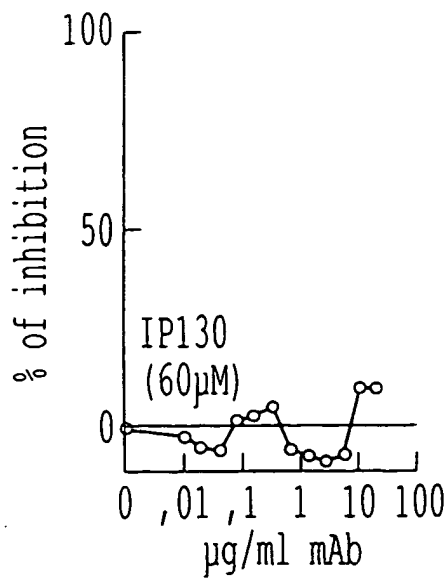


FIG. 8C

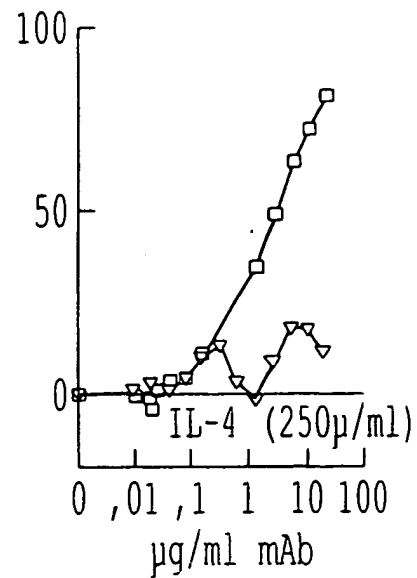


FIG. 8C

● IL-4
○ IL-4 IP130

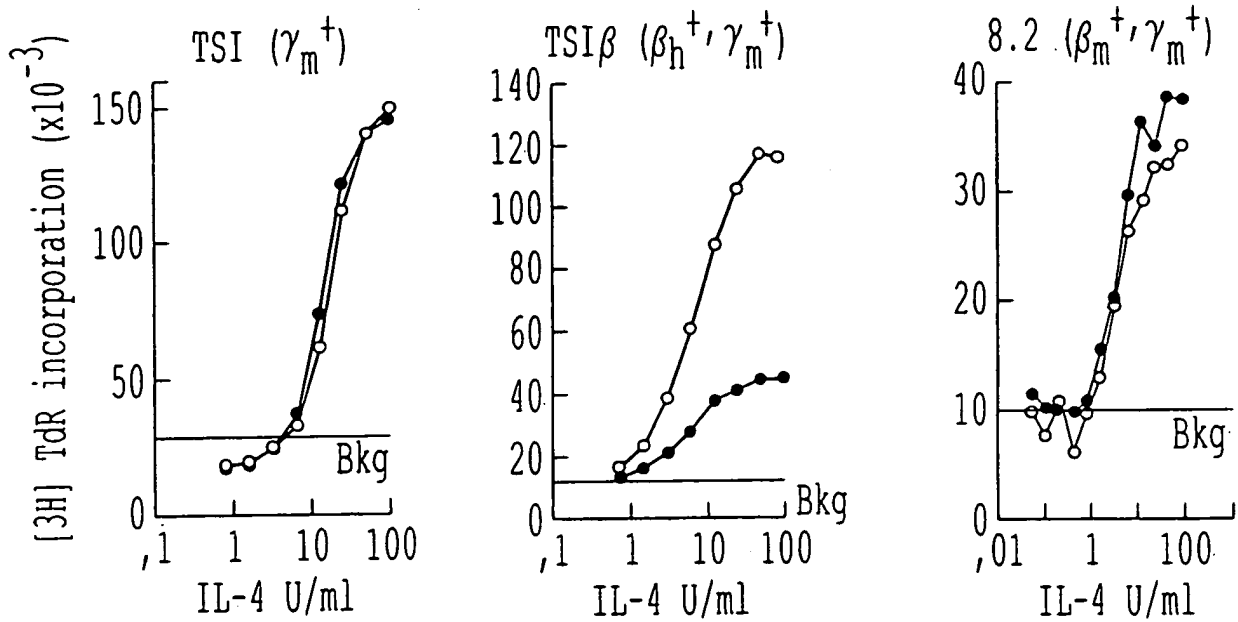


FIG. 9A

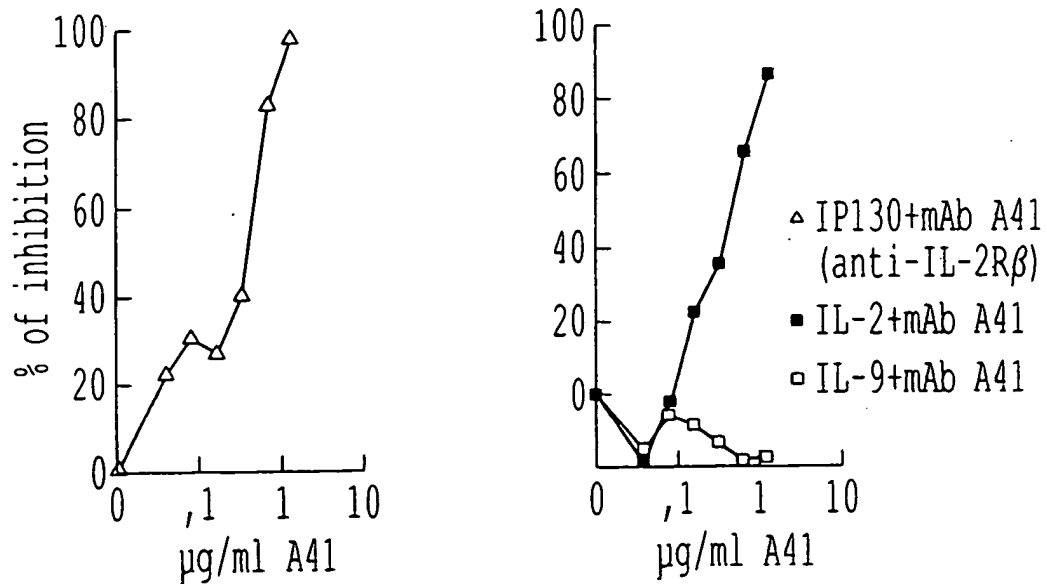
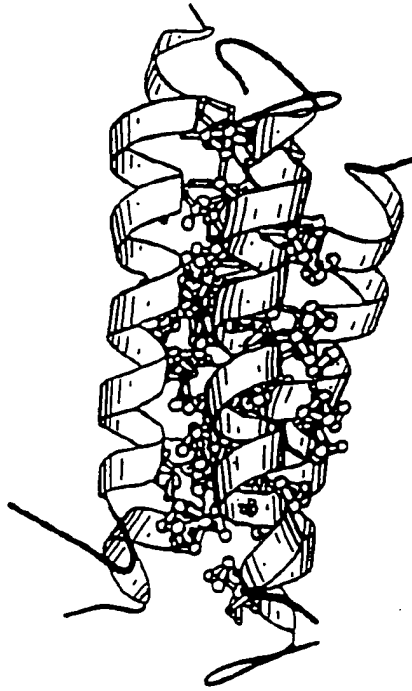


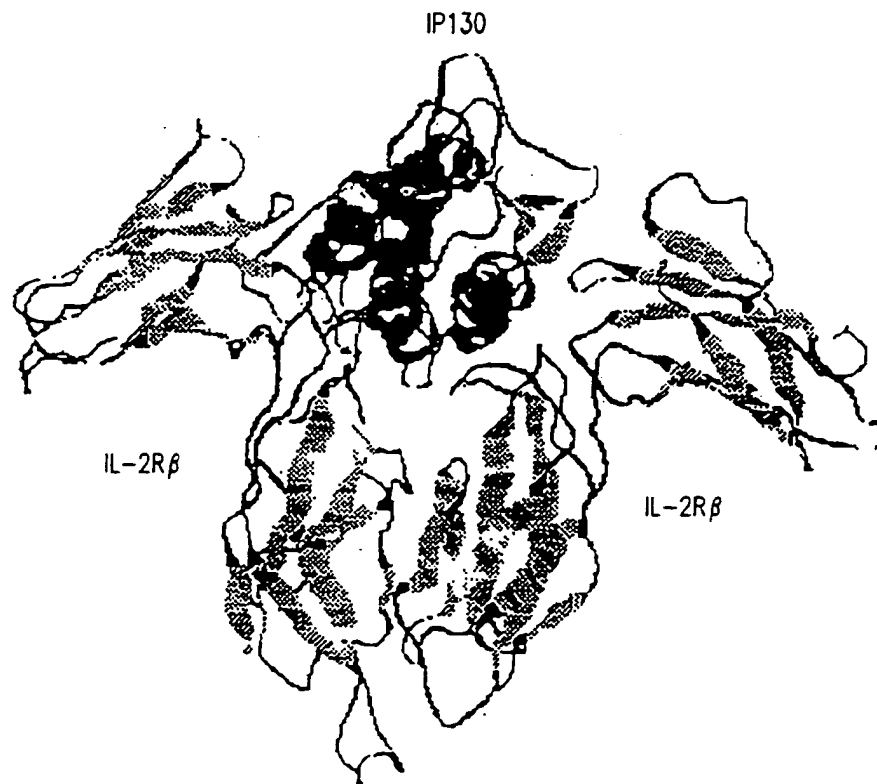
FIG. 9B

1	10	20	30		% helix (Circular dichroism)	Main molecular species	Activity
APTTSSSTKKTQLQLHLLDLQMLNGINN							
<div>130</div>					50% (150 λ 30μM) 35% (4μM)	Telramer (4M-8M, Kd=30-100μM) /Octamer	+++ ++
<div>1030</div>					22% (150 λ 30μM)	Dimer (1M-2M, Kd=0,2μM) /Telramer (2M-4M, Kd=100μM)	-
<div>122</div>					<2%		-
<div>110</div>					0%	Dimer (1M-2M, Kd=50μM) (2M-4M, Kd=1,4mM)	-
<div>515</div>					0%	Dimer (1M-2m, Kd=113μM)	-
<div>1020</div>					0%	Monomer	ND
<div>2030</div>					<5%	Monomer	+

FIG. 10



IP130



IP130

IL-2R β

IL-2R β

FIG. 11

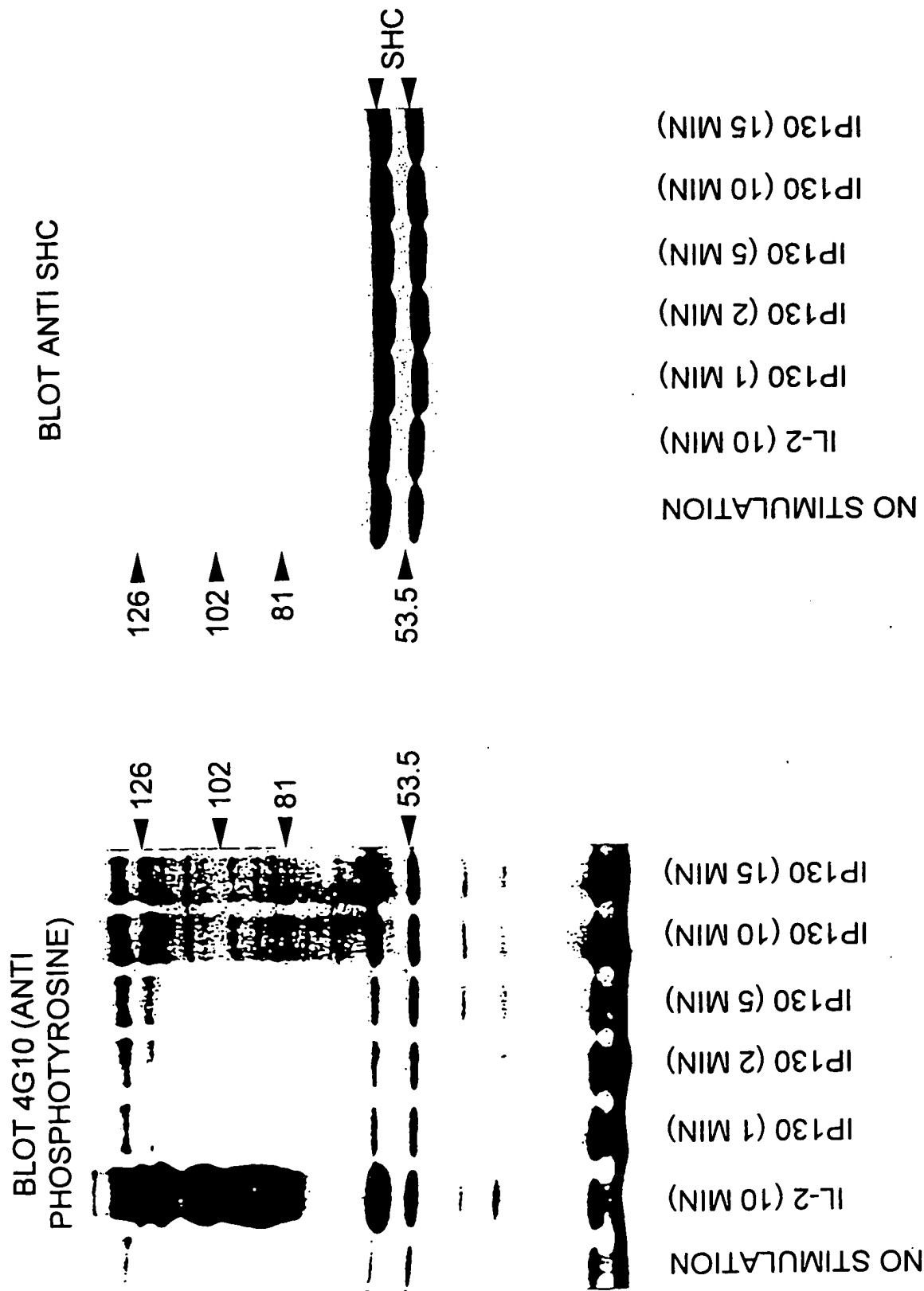


FIG.12A

FIG.12B

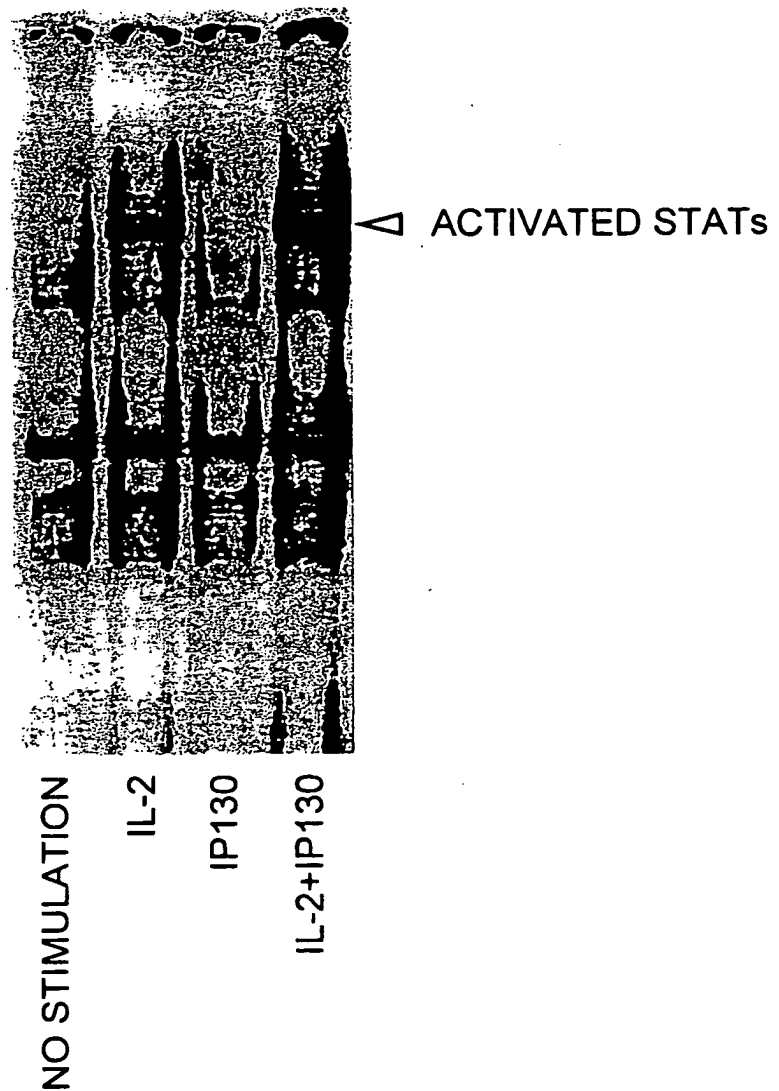
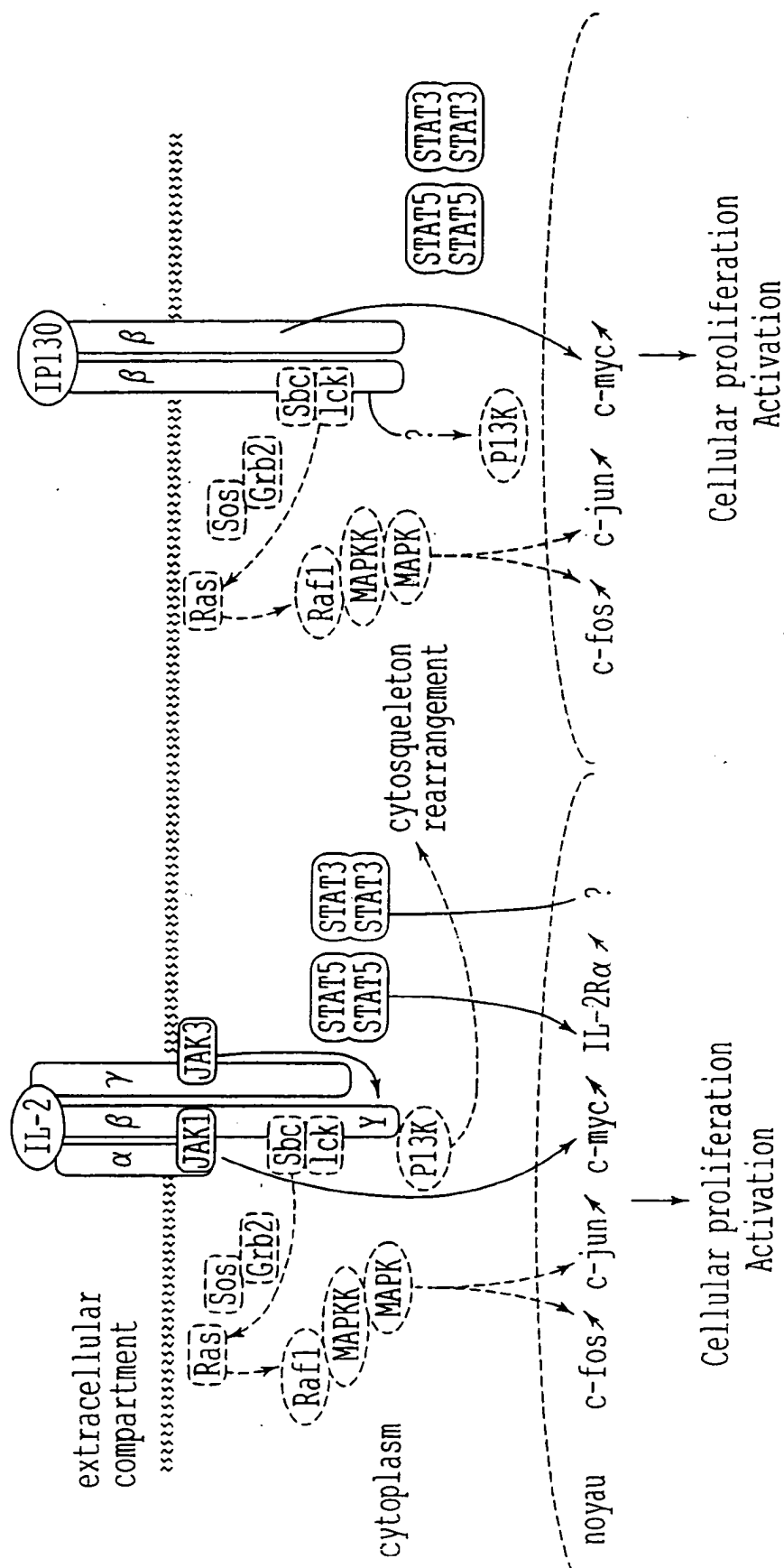


FIG. 13



IL-2 receptor and its major signal transduction pathway Model of transduction pathway induced by IP130

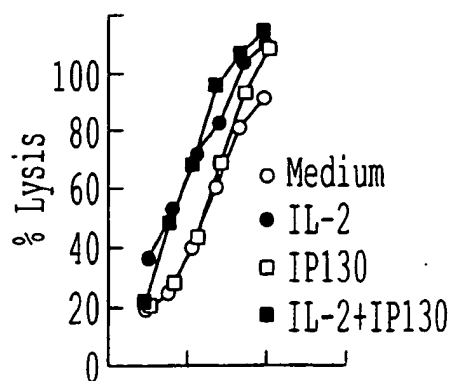
FIG. 14

NK cells (CD56⁺) entering in S+G2/M phases after IP130 stimulation
(synergy with IL-2)

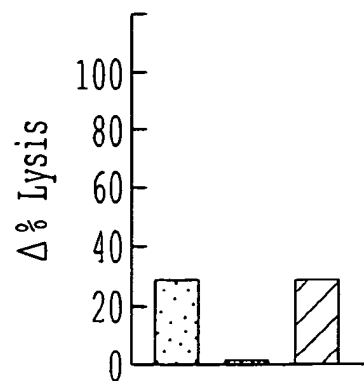
Treatment		J31	J32	J33
IL-2 50 nM		14	12	14
	IP130 60 μ M	0	17	≤ 5
	IP130 120 μ M	0	14	<5
IL-2 50 nM +	IP130 60 μ M	26	21	7
IL-2 50 nM +	IP130 120 μ M	28	28	28

FIG. 15

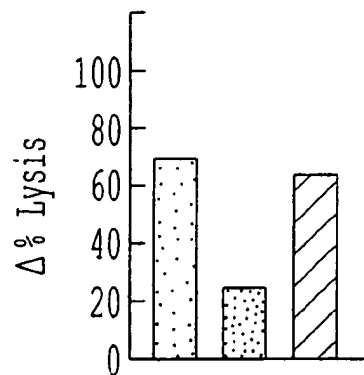
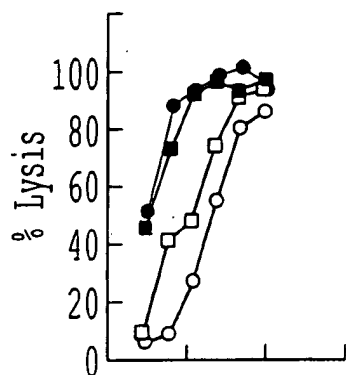
Stimulation
3 Days



Effector / target=10



6 Days



9 Days

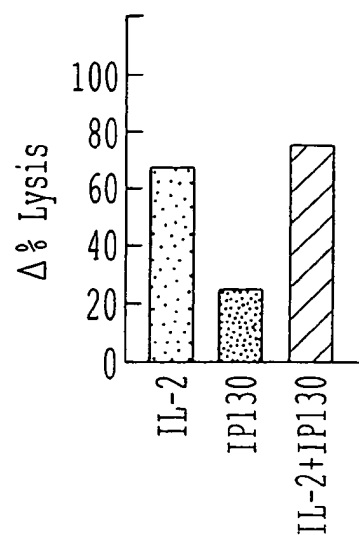
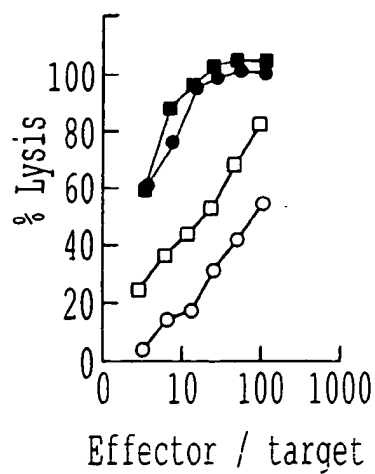


FIG. 16

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